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Experiments probing parity violation using electrons at GeV energy

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Sixty years after the first discovery of parity violation in electroweak interactions, parityviolating electron scattering (PVES) has become a tool not only in establishing the Standard Model of electroweak physics and studying the subatomic structure of the nucleon, but also in exploring possible new physics beyond the Standard Model. In this talk, I will review progress of PVES using GeV-energy electron beams focusing on recent results from Jefferson Lab. At the end of the talk, I'd like to keep the prospective that as we progress more and more towards a thorough understanding of electroweak physics, we may also want to investigate how parity violation could affect our everyday life.